

2012 Work Zone Review

99th Annual Purdue Road School

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March 5, 2013



General Information

- In 2012, 97 reviews were conducted on 95 different projects
- Quality Assurance
- Compliance with Specifications



Improvements

- Certified Work Site Traffic Supervisor Certificates
- Advanced speed limit warning signs
- Flagger position
- Flagger signs
- Added Penalty signs



“Flagger Ahead” Sign

Signs in place with no flagger present

- Breeds disrespect
- Motorist may disregard later

Signs not in place when flaggers were present

- No warning of a flagger!
- Placement
- Relocation



Flaggers Positioning



Flagger Devices

- Sign size and height
- Carts / dollies
- Lawn chairs / tailgates
- Distractions



Barrier Walls Delineation

Standard Specifications 602.03 (f) and 81.10 (d)



Speed Limit Assemblies

Speed Limit Advance Warning Signs

- Authorization
- Revisions to Indiana Code



Barricades

Missing or out-of-place barricades

- Maximum gap
- Use of other devices
- Gate keepers



Barricades

Orientation of Stripes



Barricades

Condition

Section 6F



Barricades

Stagger



Temporary Signs

Common problems with temporary signs

- Incorrect,
- Poorly placed or spaced,
- Obscured,
- Not properly covered,
- Mounted too low



“Added Penalty” Sign

- Required by Indiana Code
- Sometimes is not provided
- Should be located at start of project



Channelizing Devices

Condition



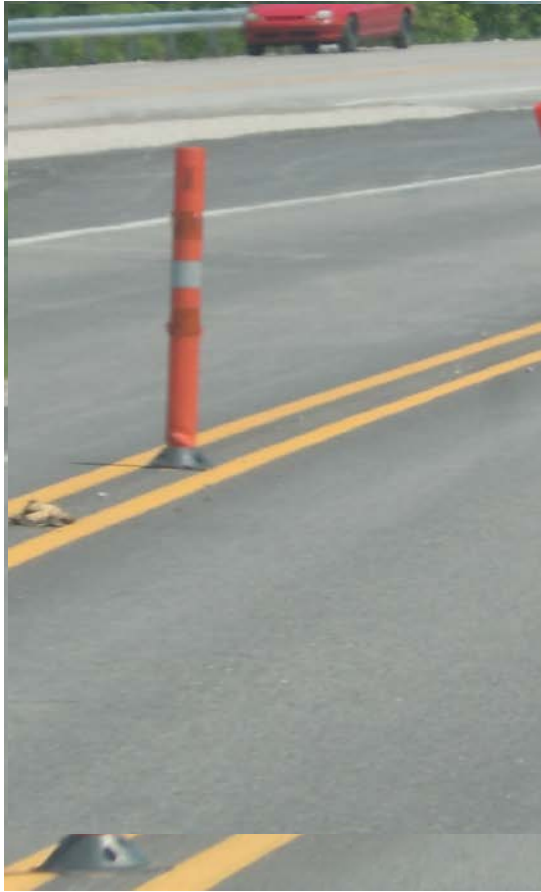
Channelizing Devices

Position



Channel Devices

Maintenance



Channelizing Devices

Retro-reflective Striping



Changeable Message Signs

- Caution Mode
- Message Content
- Number of Phases



Arrow Boards

- Dimmers
- Non-working Bulbs



Merge Tapers

Merge Tapers

- Length
- Alignment
- Gaps



Shift Tapers

Shift Tapers

- Return shift sign
- Optional sign for short tangents (W24-1)



Temporary Pavement Markings

- Condition
- Remove conflicting markings



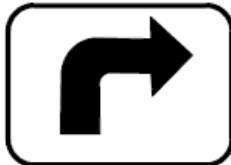
Plan Design

Detours

Standard Drawing 801-TCDT-03

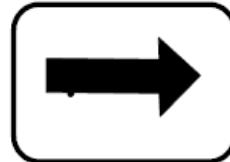
DETOUR

RTE
MKR



DETOUR

RTE
MKR



DETOUR

NORTH

RTE
MKR



Mailboxes

Standard Specification 611.03

...shall be securely mounted to an empty 55 gal. (208 L) metal drum.



WORK ZONE PROGRESSION

Questions?????



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